

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632691

Luminaire Tested: GWS-SA2D-730-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6891.1 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

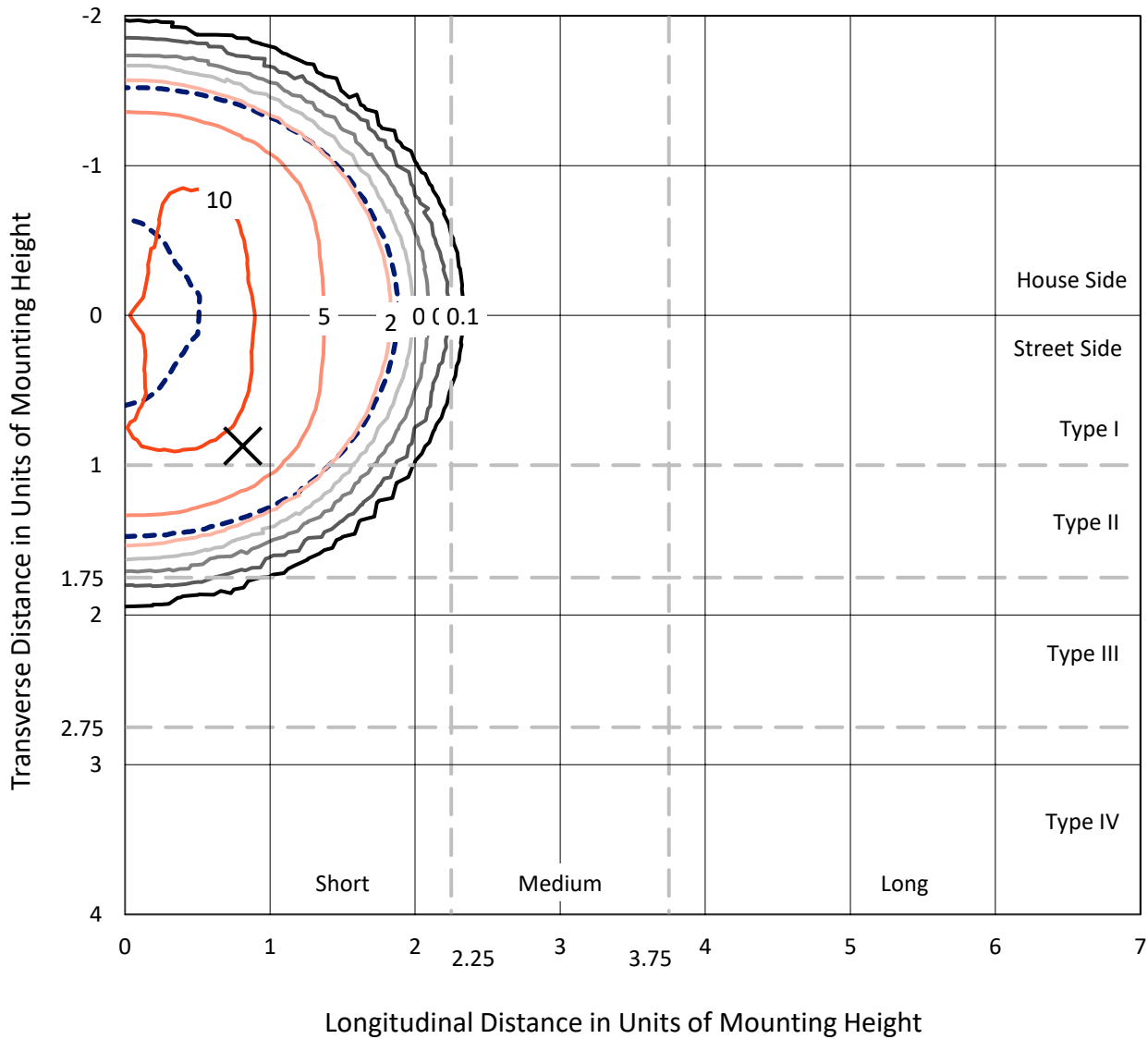
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632691
 CATALOG NUMBER: GWS-SA2D-730-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

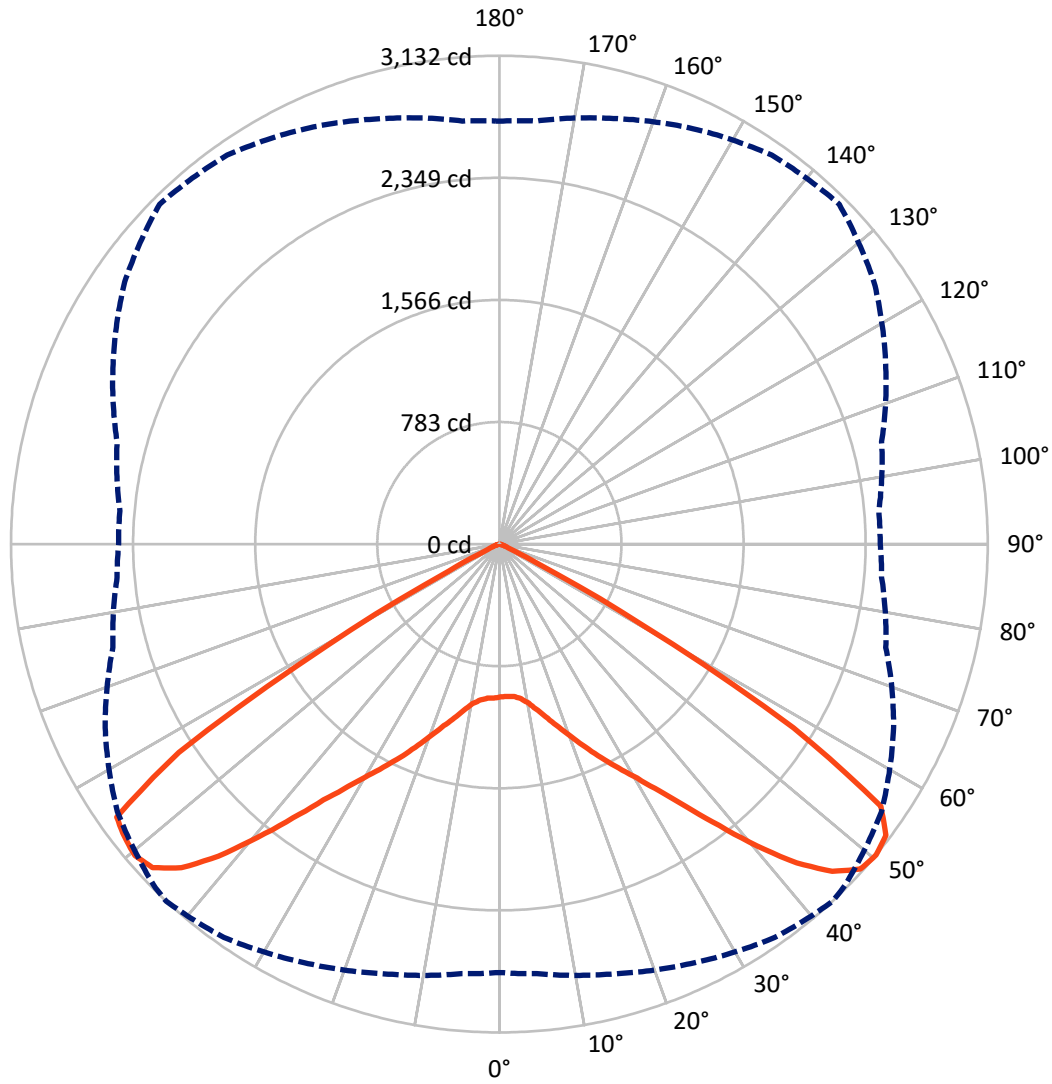
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

REPORT NUMBER: P632691
CATALOG NUMBER: GWS-SA2D-730-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P632691
 CATALOG NUMBER: GWS-SA2D-730-U-RW-W-GRSBK

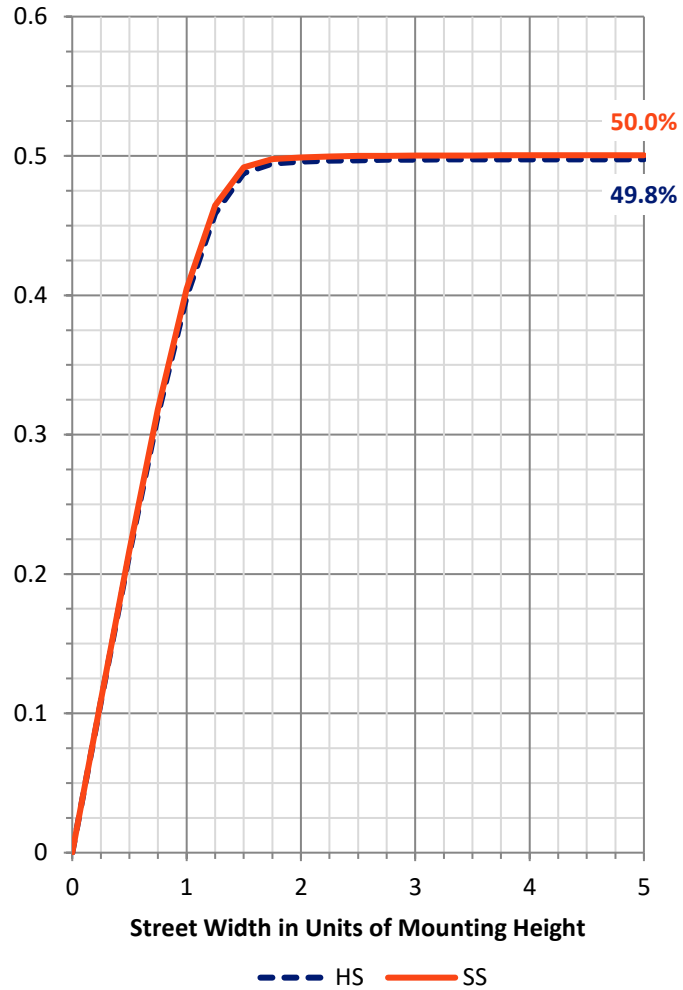
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3445.5	0.0	3445.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3445.6	0.0	3445.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6891.1	0.0	6891.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	1.4
10°-20°	332.2	4.8
20°-30°	672.0	9.8
30°-40°	1246.8	18.1
40°-50°	2069.7	30.0
50°-60°	2112.2	30.7
60°-70°	346.4	5.0
70°-80°	15.2	0.2
80°-90°	0.2	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6891.1	100.0
0°-180°	6891.1	100.0

Coefficient of Utilization



REPORT NUMBER: P632691

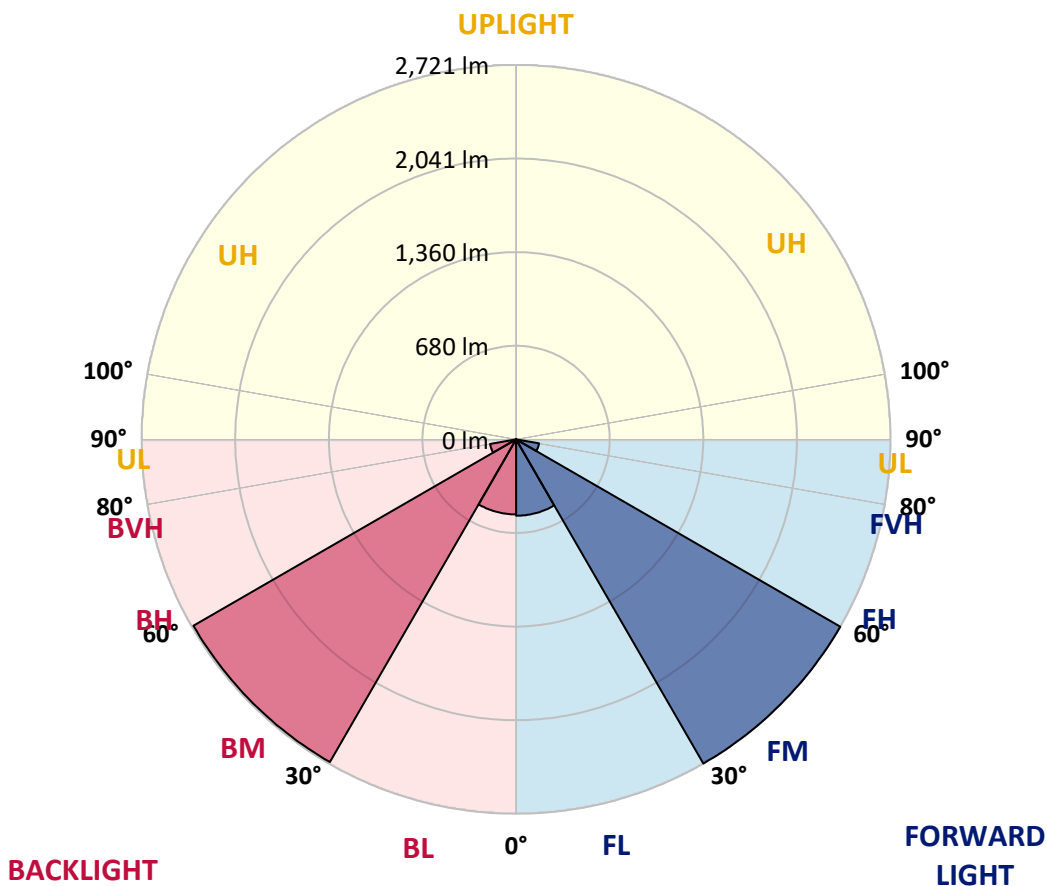
CATALOG NUMBER: GWS-SA2D-730-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.2	8.1			
FM (30°-60°)	2720.9	39.5			
FH (60°-80°)	169.4	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	545.5	7.9	B2/1000		
BM (30°-60°)	2707.7	39.3	B3/5000		
BH (60°-80°)	192.1	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P632691

CATALOG NUMBER: GWS-SA2D-730-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1
2.5°	961.9	964.1	967.2	970.2	974.1	977.9	980.1	987.0	985.5	991.6	991.6
5°	951.2	953.5	957.3	964.1	972.5	980.9	987.0	1000.7	1008.4	1020.5	1025.1
7.5°	956.5	959.6	964.1	974.8	987.8	1000.7	1007.6	1029.7	1044.9	1067.8	1080.8
10°	974.1	977.1	984.7	1003.0	1019.8	1038.1	1046.5	1074.7	1099.0	1130.3	1148.6
12.5°	993.9	997.7	1012.9	1040.4	1069.3	1093.7	1105.1	1136.4	1161.5	1196.6	1225.6
15°	1014.4	1020.5	1044.2	1084.6	1125.7	1158.5	1170.7	1204.2	1229.4	1266.7	1299.5
17.5°	1062.5	1069.3	1096.0	1139.4	1195.8	1234.0	1244.6	1279.7	1298.7	1323.9	1358.2
20°	1122.7	1135.6	1168.4	1221.0	1282.7	1319.3	1326.9	1361.2	1359.7	1370.4	1400.1
22.5°	1197.4	1206.5	1242.3	1304.8	1374.2	1414.6	1432.1	1446.6	1427.5	1418.4	1437.5
25°	1275.1	1285.8	1324.7	1393.2	1471.0	1517.5	1532.0	1543.4	1512.9	1478.6	1480.9
27.5°	1375.7	1383.3	1421.4	1494.6	1572.4	1624.9	1637.9	1657.7	1617.3	1562.4	1547.2
30°	1495.4	1503.0	1543.4	1620.4	1697.4	1742.3	1762.1	1786.5	1742.3	1673.7	1656.2
32.5°	1635.6	1643.2	1695.1	1774.3	1837.6	1886.4	1905.4	1931.3	1896.3	1819.3	1799.5
35°	1803.3	1807.9	1868.8	1955.0	2022.0	2069.3	2082.2	2112.7	2073.9	1996.9	1986.2
37.5°	1997.6	2003.0	2069.3	2169.1	2237.7	2290.3	2310.9	2319.3	2272.0	2185.9	2177.5
40°	2211.1	2228.6	2293.4	2400.8	2477.8	2544.1	2562.4	2534.2	2467.9	2350.5	2335.3
42.5°	2433.6	2448.9	2521.3	2637.9	2727.0	2794.9	2795.6	2734.7	2621.9	2459.5	2436.7
45°	2618.8	2624.9	2718.7	2836.0	2945.8	2993.8	2998.4	2887.9	2717.9	2522.8	2474.0
47.5°	2746.1	2756.0	2837.6	2950.4	3071.5	3115.0	3105.8	2967.9	2763.6	2563.9	2483.1
50°	2747.6	2764.4	2852.8	2961.8	3079.2	3131.8	3118.8	2990.8	2789.5	2565.5	2461.0
52.5°	2504.5	2531.9	2676.0	2833.7	3013.6	3103.6	3106.6	3020.5	2779.6	2541.1	2441.2
55°	1889.4	1919.1	2100.5	2369.6	2717.1	2967.9	3011.3	2985.4	2768.2	2551.7	2476.3
57.5°	1000.0	977.1	1077.7	1344.5	1781.2	2224.8	2352.1	2559.4	2640.9	2564.7	2541.1
60°	218.0	232.5	309.4	416.9	695.1	1046.5	1170.7	1525.9	1948.1	2135.6	2271.3
62.5°	93.7	92.2	96.0	109.0	159.3	265.2	323.9	528.9	834.6	1146.3	1357.4
65°	77.0	77.7	80.8	80.8	75.5	76.2	80.0	121.2	195.1	273.6	367.4
67.5°	57.9	58.7	64.0	65.5	61.7	54.9	54.1	45.7	48.0	60.2	62.5
70°	36.6	36.6	39.6	41.2	41.2	38.1	37.3	32.8	32.0	36.6	41.2
72.5°	19.8	19.8	21.3	22.1	21.3	20.6	20.6	19.8	19.1	22.1	28.2
75°	8.4	8.4	9.1	9.1	8.4	8.4	8.4	8.4	8.4	9.9	15.2
77.5°	1.5	2.3	3.0	2.3	1.5	1.5	1.5	2.3	2.3	3.0	4.6
80°	0.8	0.8	1.5	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632691
 CATALOG NUMBER: GWS-SA2D-730-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1
2.5°	996.9	988.5	991.6	993.1	990.8	989.3	980.9	978.6	974.8	968.7	967.2
5°	1030.5	1023.6	1022.8	1018.3	1007.6	994.6	978.6	971.8	964.1	956.5	955.0
7.5°	1086.9	1078.5	1073.1	1057.9	1033.5	1012.9	986.2	971.8	961.9	951.9	949.7
10°	1159.3	1149.4	1134.1	1105.9	1073.1	1043.4	1012.2	993.1	977.9	964.1	963.4
12.5°	1236.2	1225.6	1198.1	1162.3	1122.7	1095.2	1055.6	1028.9	1006.1	985.5	983.2
15°	1317.0	1304.1	1266.7	1224.0	1187.5	1159.3	1115.8	1073.1	1038.1	1008.4	1005.3
17.5°	1378.8	1362.8	1318.6	1286.5	1256.8	1227.9	1179.1	1122.7	1076.2	1040.4	1032.0
20°	1417.6	1402.4	1360.5	1342.9	1329.2	1308.6	1250.7	1192.0	1140.2	1096.0	1088.4
22.5°	1455.0	1436.7	1400.1	1400.1	1410.8	1402.4	1339.9	1272.8	1211.8	1160.8	1149.4
25°	1496.9	1482.4	1456.5	1477.8	1504.5	1503.8	1439.7	1355.9	1285.8	1228.6	1217.2
27.5°	1557.9	1543.4	1534.2	1574.6	1608.2	1605.9	1535.8	1445.1	1371.1	1314.7	1304.1
30°	1665.3	1651.6	1641.7	1690.5	1733.2	1717.2	1640.2	1552.5	1477.8	1413.8	1406.2
32.5°	1808.6	1794.1	1781.2	1830.0	1868.1	1847.5	1774.3	1692.0	1605.9	1543.4	1528.1
35°	1996.9	1966.4	1953.4	2011.4	2027.4	2004.5	1934.4	1862.0	1770.5	1698.9	1689.0
37.5°	2191.2	2155.4	2146.3	2196.6	2222.5	2214.1	2131.8	2056.3	1957.3	1878.0	1866.6
40°	2357.4	2324.6	2308.6	2387.1	2445.8	2451.1	2377.2	2285.0	2168.4	2086.1	2065.5
42.5°	2454.9	2426.7	2422.9	2544.9	2640.9	2709.5	2621.1	2525.8	2403.1	2310.1	2293.4
45°	2477.1	2458.8	2490.8	2650.8	2800.2	2925.2	2849.8	2749.1	2616.5	2518.2	2502.2
47.5°	2474.8	2468.7	2525.8	2705.7	2894.7	3048.7	3011.3	2897.8	2769.7	2666.8	2651.6
50°	2442.0	2442.8	2538.0	2733.1	2932.8	3082.2	3044.9	2939.7	2825.4	2724.0	2711.8
52.5°	2429.0	2424.5	2515.2	2724.8	2971.7	3067.0	2983.1	2865.0	2737.7	2612.7	2594.4
55°	2474.8	2463.3	2518.2	2717.9	2976.3	3058.6	2837.6	2581.5	2320.8	2172.9	2160.8
57.5°	2543.4	2531.2	2557.1	2667.6	2737.7	2543.4	2088.3	1675.2	1407.0	1293.4	1243.9
60°	2271.3	2262.9	2243.1	2109.7	1809.4	1365.0	929.8	593.0	426.1	344.5	344.5
62.5°	1409.3	1397.8	1290.4	958.8	696.6	403.2	221.8	138.7	105.2	98.3	97.6
65°	395.6	393.3	325.4	230.2	146.3	90.7	80.0	81.6	80.0	77.7	77.0
67.5°	59.4	65.5	65.5	53.4	51.1	57.2	67.1	71.6	67.8	64.0	62.5
70°	38.1	41.2	39.6	34.3	36.6	42.7	48.0	48.8	46.5	42.7	41.9
72.5°	26.7	29.7	24.4	22.1	22.9	25.2	27.4	27.4	26.7	25.2	23.6
75°	16.0	16.0	11.4	10.7	10.7	11.4	11.4	13.0	13.0	12.2	11.4
77.5°	5.3	6.1	3.8	3.0	3.0	3.0	3.8	4.6	4.6	3.8	3.0
80°	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)